

STUKALOVA, B. Ya; MAKAREVICH, N.M.

Experimental study of monomycin in tuberculosis. Antibiotiki 7.
no.12:1071-1075 D '62. (MIRA 16:5)

1. Mikrobiologicheskaya laboratoriya (zav.-prof. A.I.Kagramanov)
TSentral'nogo instituta tuberkuleza Ministerstva zdravookhraneniya
SSSR.

(TUBERCULOSIS) (MONOMYCIN)

KAGRAMANOV, A.I., prof.; MAKAREVICH, N.M.; OSINTSEVA, V.P.; PAPORISH, S.D.;
GULEVICH, M.D.

Tuberculosis of the cervical lymph glands in children caused
by Mycobacterium tuberculosis of the avian type. Probl.tub.
39 no.1:54-61 '61. (MIRA 14:1)

1. Iz Instituta tuberkuleza AMN SSSR (dir. - chlen-korrespondent
AMN SSSR prof. N.A. Shmelev).
(LYMPHATICS--TUBERCULOSIS)

STEPANYAN, E.S.; STUKALOVA, B.Ya.; MAKAREVICH, N.M.

Clinical-experimental study of dihydrostreptomycin pantothenate in
tuberculosis. Antibiotiki 6 no.9:30-33 S '61. (MIA 17:2)

1. Institut tuberkuleza AMN SSSR.
(STREPTOMYCIN) (TUBERCULOSIS)

STUKALOVA, B.Ya., kand.med.nauk; MAKAREVICH, N.M., kand.med.nauk

Apropos of A.M. Khoma-Lemishko's article "Pigmented mycobacteria in clinical tuberculosis." Probl.tub. no.5:100-102
'61. (MIRA 15:1)

1. Iz Instituta tuberkuleza AMN SSSR (dir. - chlen-korrespondent
AMN SSSR prof. N.A. Shmelev).
(MYCOBACTERIUM TUBERCULOSIS) (KHOMA-LEMISHKO, A.M.)

SOLOV'YEVA, V.A.; KHUDUSHINA, T.A.; MAKAREVICH, N.M.; AVERBAKH, M.M.

Effect of radiation energy on the course of experimental tuber-
culous processes. Probl.tub. 37 no.3:87-92 '59.
(MIRA 12:6)

1. Iz Instituta tuberkuleza AMN SSSR (dir.Z.A.Lebedeva).
(TUBERCULOSIS, exper
eff. of x-rays (Rus))
(ROENTGEN RAYS, effects,
on exper. tuberc. (Rus))

SOLOV'YEVA, V.A.; KHUDUSHINA, T.A.; MAKAREVICH, N.M.; AVERBAKH, M.M.
(Moskva)

Effect of radiation on experimental tuberculosis. Med.rad. 4
no.2:79 F '59. (MIRA 12:4)
(ROENTGEN RAYS, effects,
on exper. tuberc. (Rus))
(TUBERCULOSIS, experimental,
eff. of x-rays (Rus))

KAGRAMANOV, A.I., prof., MAKAREVICH, N.M.

Experimental study of the peroral method of antituberculosis vaccination
with large doses of BCG [with summary in French]. Probl.tub. 36
no.4:80-86 '58 (MIRA 11:7)

1. Iz Instituta tuberkuleza AMN SSSR (dir. Z.A. Lebedeva)
(BCG VACCINATION, exper.
peroral antituberc. vacc. in guinea pigs, results
(Rus))

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031400008-6

KAGRAMANOV, A.I., prof.; MAKAREVICH, N.M.

Experimental study of the action of massive doses of BCG vaccine
following repeated peroral use. Trudy Inst. tub. AMN 7:85-95
'58. (MIRA 13:10)

(BCG VACCINATION)

MAKAREVICH, N.M.

RADKEVICH, R.A.; MAKAREVICH, N.M.

Change in the antitoxic and synthetic function of the liver in
osteocarticular tuberculosis in children [with summary in French].
Probl.tub. 35 no.8:67-73 '57. (MIRA 11:4)

1. Iz kliniki kostno-sustavnogo tuberkuleza imeni T.P.Krasnobayeva
Instituta tuberkuleza AMN SSSR.

(TUBERCULOSIS, OSTEOARTICULAR, in inf. & child
antitoxic & synthetic liver funct. (Rus))

(LIVER, in various dis.
osteocarticular tuberc. in child., antitoxic & synthetic
tunct. (Rus))

CZECHOSLOVAKIA/Microbiology - Microbes Pathogenic for Man and F
Animals. Bacteria. Mycobacteria.

Abs Jour : Ref Zhur Biol., No 22, 1958, 99513

than a single one, and is equivalent in its immunizing effect to the action of subcutaneous immunization in a dose of 0.1 mg. The vaccination does not aggravate the course of the experimental tuberculous infection and somewhat prolongs the life of the animals. -- L.M.
Model'

Card 2/2

- 105 -

• CZECHOSLOVAKIA/Microbiology - Microbes Pathogenic for Man and F
Animals. Bacteria. Mycobacteria.

Abs Jour : Ref Zhur Biol., No 22, 1958, 99513

Author : Kagramanov, A.I., Makarevic, N.M.

Inst : -

Title : Vaccination by the Peroral Method with Large Doses of
BCG Vaccine of Healthy and Infected with Tuberculosis
Guinea Pigs.

Orig Pub : Rozhl. tuberk. a nemozech plichich, 1957, 17, No 4,
253-259

Abstract : The advantages of vaccination by the method of de Assisi
(orally, with large repeated doses of BCG) over the usual
subcutaneous method of vaccination with small doses of
BCG were examined. It was demonstrated that the oral
administration of large doses (5×100 mg) of BCG vaccine
did not impair its protective action; repeated vaccina-
tion with large doses of BCG brings about better results

USSR/Microbiology - Microorganisms Pathogenic to
Humans and Animals

F-3

Abs Jour: Ref Zhur - Biol., No 18, 1958, 81559

Author : Makarevich, N.M.

Inst : Tuberculosis Inst., Acad. Med. Science SSSR.

Title : Dynamics of Vegetative BCG Bacteria in Guinea
Pigs in Combined Vaccination with a Non-Specific
Substance.

Orig Pub: Tr. In-ta tuberkuleza. Akad. med. nauk SSSR,
1957, 9, 40-47

Abstract: The addition to a BCG culture of aluminum
hydroxide (0.5-2.5 mg) prolongs the period
of bacterial survival in the guinea pig organ-
ism up to 9 months (instead of 6 months when
the BCG culture alone is introduced) and

/ USSR/Microbiology - Microorganisms Pathogenic to
Humans and Animals

F-3

Abs Jour: Ref Zhur - Biol., No 18, 1958, 81558

Author : Makarevich. N.M.

Inst : Tuberculosis Institute, Acad. Med. Science USSR.

Title : A Study of Immunogenicity of BCG Vaccine in Com-
bination With a Non-Specific Substance.

Orig Pub: Tr. In-ta tuberkuleza. Akad. med. nauk SSR,
1957, 9, 29-39

Abstract: An increase in immunogenicity of BCG vaccine is
shown by experiments on 329 guinea pigs follow-
ing addition of aluminum hydroxide (in quantities
of 0.6, 1.25, 2.5 and 5 mg). Such a depovaccine
(?) produced a more intense and lasting local
reaction (from 3 to 4-5 and even 7-8 months).

Card 1/2

39

MAKAREVICH, N. M. Cand Med Sci -- (diss) " Experimental study of ~~the~~
vaccine [BTsZh] in combination with a nonspecific component." Mos, 1957.
18 pp. (Acad Med Sci USSR). 200 copies.
(KL, 8-58, 108)

ALYUSHINSKAYA,N.M., kandidat geograficheskikh nauk; MAKAREVICH,N.M.,
kandidat geograficheskikh nauk

Lev Konstantinovich Davydov. Meteor.i gidrol. no.10:57-58
N-D '53. (MLRA 8:9)
(Davydov, Lev Konstantinovich, 1896-)

GRITSENKO, A.N.; MAKAREVICH, N.I.; TROFIMOV, L.I.; SHMAKOTINA, E.V.;
STAROSTINA, I.S.

Use of laboratory diagnostic methods for the early detection of
patients with epidemic hepatitis. Zhur. mikrobiol.; epid. i immun.
41 no.6:47-51 Je '64. (MIRA 18:1)

1. Khabarovskiy institut epidemiologii i mikrobiologii.

MAKAREVICH, N.I.

Data for the study of protein metabolism in Far Eastern
vernal tick-borne encephalitis. Zhur. nevr. i psikh. 62
no.3:339-343 '62. (MIRA 15:3)

1. Laboratoriya biokhimii (zav. - kand.med.nauk N.I.
Makarevich) Khabarovskogo nauchno-issledovatel'skogo instituta
epidemiologii i mikrobiologii (dir. A.M. Krapnikova).
(ENCEPHALITIS) (PROTEIN METABOLISM)
(TICKS AS CARRIERS OF DISEASE)

MAKAREVICH, N.I., kand.med.nauk; GUR'YANOVA, L.I.; TARTAKOVSKAYA, M.F.

Use of aldolase determination methods and blood protein electrophoresis in the diagnosis of Botkin's disease. Terap.erkh. № 32 no.9:49-51 '60. (MIRA 14:1)

1. Iz biokhimicheskoy laboratorii (zav. - dotsent A.A. Konstantinov) i korevogo otdela (zav. L.I. Gur'yanova) Khabarovskogo nauchno-issledovatel'skogo instituta epidemiologii i gigiyeny. (ALDOLASE) (BLOOD PROTEINS) (HEPATITIS, INFECTIOUS)

MAKAREVICH, N.I.; KRASIL'NIKOVA, A.P.

Electrophoretic study of the protein composition of the blood serum in endemic goiter. Trudy Khab.med.inst. no.20:141-146 '60.
(MIRA 15:10)

1. Iz kafedry biokhimii (zav. dotsent I.S.Belonosov) Khabarovskogo meditinskogo instituta.
(GOITER) (BLOOD PROTEINS) (ELECTROPHORESIS)

PIKOVETS, P.T.; KONSTANTINOV, A.A.; MAKAREVICH, N.I.; BELINSKAYA, O.I.

Protein fractions in antitoxic sera at different stages of production. Report No.1: Electrophoretic studies on serum proteins during the hyperimmunization of horses. Zhur.mikro-biol., epid.i immun. 30 no.12:124 D '59. (MIRA 13:5)

1. Iz Khabarovskogo institut a epidemiologii i gigiyeny.
(BLOOD PROTEINS)

USSR / Pharmacology, Toxicology. Analeptics. V

Abs Jour: Ref Zhur-Biol., No 18, 1958, 85132.

Author : Belonosov, I. S., Makarevich, N. I.

Inst : Not given.

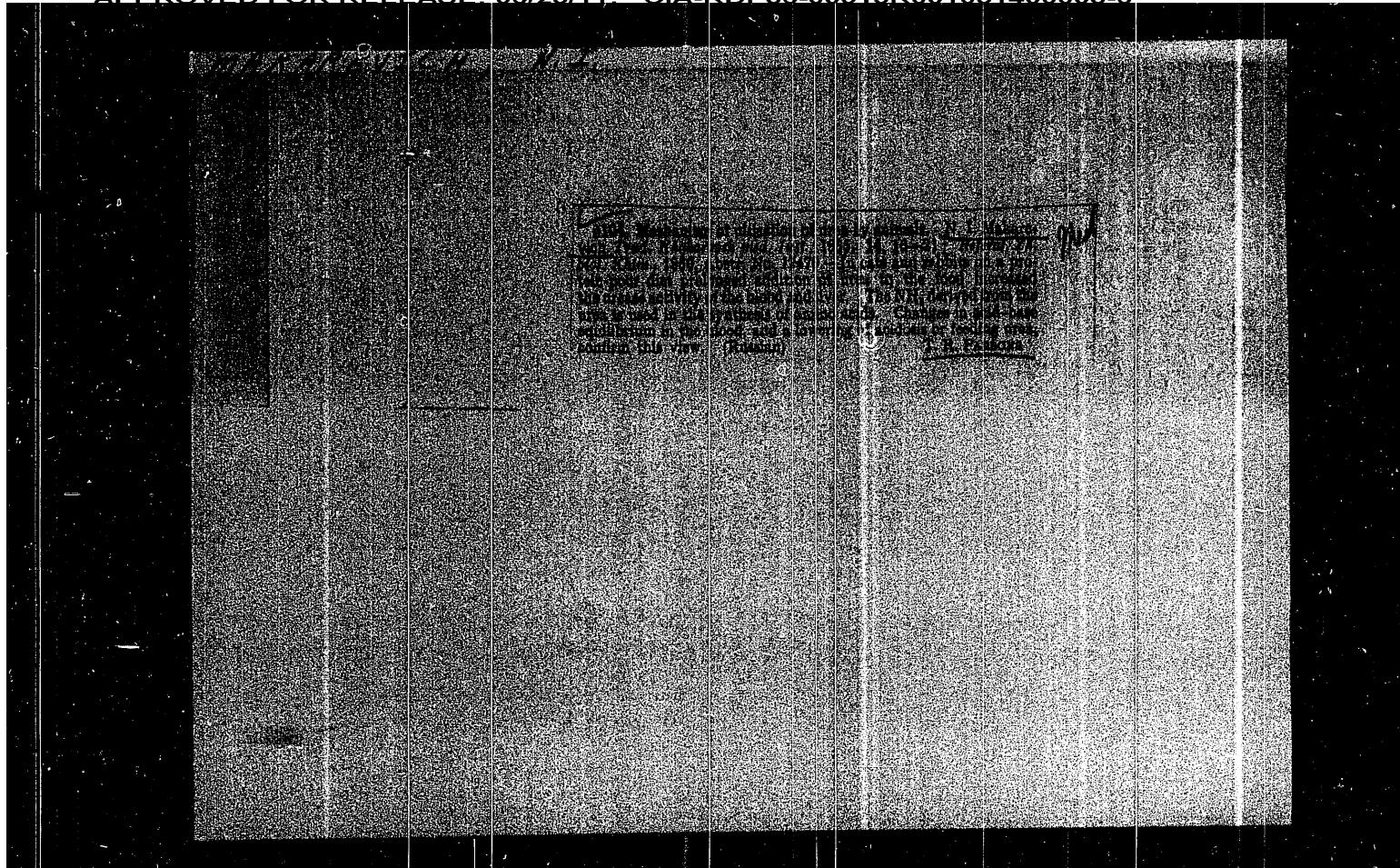
Title : The Influence of Chinese Lemon on Carbohydrate and Phosphorus Metabolism.

Orig Pub: In the collection, Materialy k izuch. zhen'shenya i limonnika, No 3, Leningrad, 1958, 159-165.

Abstract: In experiments on rabbits, studies were made of Chinese lemon seeds which had been ground to powder (L) on the uptake of P₃₂ by the blood, the distribution of phosphorus among certain organs, and glycogenolysis. L was given orally to animals daily for three days prior to the injection of P₃₂, and then throughout the experiment, in doses of 0.5 gm/kg.

Card 1/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031400008-6



MARIA NEVICH, N. I.

"Importance of Trees in the Preservation of Fruits." Cand. Med. Sci., Khabarovsk State Medical Inst, Khabarovsk, 1953. (11, no. 16, Mar 55)

SC: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031400008-6

MARSHALL, N. L.

Cintra Filmchemistry, Edelweiss Film, Inc., New York.

Subject: Statistical analysis of film density measurements
of damp, "black," M, Mo. 5, film

MAKAREVICH, N.I.; KONKIN, A.A., U HUH ZHUY [Wu Hung Ju] (CIA 17:10)

Application of infrared spectroscopy for the analysis of polypropylene fibers. Khim.volok.no.5:9-13 1974.

1. Institut fiziki AN BSSR (for Makarevich). 2. Minskovskiy tekstil'nyy institut (for U Huh Zhuy).

DAVYDOVA, V.A.; MAKAREVICH, N.I.

Universal apparatus for electrophoresis in starch and on paper.
(MIRA 18:1)
Lab. delo no. 12:710-713 '64.

1. Laboratoriya biokhimii (zaveduyushchiy - kand.med.nauk
N.I.Makarevich) Khabarovskogo nauchno-issledovatel'skogo instituta
epidemiologii i mikrobiologii.

L 34825-66

ACC NR: AP6017602

fibers. Two new absorption bands were observed at 1117 and 630 cm^{-1} in the infrared spectrum of polycaproamide cross-linked with sulfur chloride. The bands apparently

S

||

indicate the presence of $-\text{NH}-\overset{\text{S}}{\underset{\text{||}}{\text{C}}}-$ groups in the modified capron. Treatment of the modified fiber in water at 100°C considerably reduces the quantity of bound sulfur. This process continues for 4 hours of boiling after which the bound sulfur has been reduced to one half and there is practically no further change. The infrared spectra

S

||

of the treated polymer do not show the absorption bands characteristic of $-\text{NH}-\overset{\text{S}}{\underset{\text{||}}{\text{C}}}-$ groups. It is shown that the labile intermolecular polysulfide bonds formed during interaction of the polycaproamide with sulfur chloride are converted into more stable bonds by the boiling water. The formation of polysulfide cross lines is accompanied by substitution of sulfur for the oxygen in the amide bond with the formation of thioamide groups. Orig. art. has: 4 figures, 1 table.

SUB CODE: 11, 07/ SUBM DATE: 01Dec64/ ORIG REF: 009/ OTH REF: 001

Card 2/2 ✓

L 34825-66 EWT(m)/EWP(j)/T M
 ACC NR: AP6017602 (A) SOURCE CODE: UR/0183/66/000/001/0026/0029

AUTHOR: Smol'nikova, L. G.; Konkin, A. A.; Makarevich, N. I.

ORG: [Smol'nikova] Altai Polytechnical Institute im. Polzunov, Barnaul (Altaiskiy politekhnicheskiy institut); [Konkin] MTI; [Makarevich] Institute of Physics, AN BSSR, Minsk (Institut fiziki AN BSSR)

TITLE: Using sulfur chloride solutions for cross-linking capron fibers

SOURCE: Khimicheskiye volokna, no. 1, 1966, 26-29

TOPIC TAGS: chloride, sulfur compound, polymer cross linking, synthetic fiber, ~~nylon~~, polyamide, IR spectrum

ABSTRACT: This article is the fourth in the series "Modification of Capron Fiber". The previous studies were devoted to the effect which dicarboxylic dichlorides, diisocyanates and cyanuric chloride have on the properties of polyamide fiber. In view of the cross linking which takes place with the formation of intermolecular chemical bonds when rubber, gutta-percha and polyvinyl alcohol are treated in sulfur chloride, experiments were conducted to study the use of this reagent for cross linking in capron fiber. No 34.5 polyamide was treated in an 8% solution of pyridine in xylol. After the reaction, the modified fibers were extracted by carbon disulfide and acetone to a constant weight to eliminate the effect of sorbed sulfur on the properties of the

UDC: 677.494.675

Card 1/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031400008-6

M. KARLICH, N. L. NIYUTIN, V. N.

Signature of α and β form of polyvinylidene fluoride

V. N. KARLICH, N. L. NIYUTIN, V. N.

(MAY 1971)

1. Preparation of α PVDF

10

MAKAREVICH, N.I.

Crystalline forms of polyvinylidene fluoride and their appearance
in the infrared spectrum. Zhur.prikl. spekt. & analiz. 1965 Ap '65.
(MIRA 18:8)

PRIMA, A.M.; MAKAREVICH, N.I.; BARDYSHEV, I.I.; CHERCHES, Kh.A.

Infrared spectra of resin acids. Zhur. fiz. khim. 36 no.3:620-
624 Mr '62. (MIRA 17:8)

1. Institut fiziki AN BSSR i Institut fiziko-organicheskoy khimii
AN BSSR.

MAKAREVICH, N.I.; BORISEVICH, N.A.

Method of pressing samples for obtaining infrared spectra. Zav.lab.
29 no.8:941-943 '63. (MIRA 16:9)

1. Institut fiziki AN BSSR.
(Spectrum, Infrared)

PRIMA, A.M.; MAKAREVICH, N.I.; CHERCHES, Kh.A.; BARDYSHEV, I.I.

Study of the molecular association of resin acids by infrared
spectroscopy methods. Izv. AN SSSR, Ser. fiz. 26 no.10:1313-1316
O '62. (MIRA 15:10)

1. Institut fiziki AN BSSR i Institut fiziko-organicheskoy
khimii AN BSSR.
(Resin acids-Spectra) (Molecular association)

SOV/48-23-10-18/39

Identification of Resin Acids by Means of Their Infrared Spectra

spectrometer. The spectra of the solution and the pressed sample show practically no difference whatever. The spectra obtained are shown by four diagrams. Their particular features are discussed. Within the range of the valence oscillations of the groups CH , CH_2 , and CH_3 the spectra of I, II, and IV are very similar, and only III deviates, which is due to the existence of the group $-\text{CH}=\text{CH}_2$. The frequency of the bands corresponding to the groups C=O and COH (1685 and 1282 cm^{-1}) depends only to a small extent on the structure of the remaining acid molecule; the intensity of these bands, however, differs considerably according to the individual acids. Within the range of the double bond C=C a band was found at 1544 cm^{-1} in I, II, and IV, and one was found in III at 1631 cm^{-1} as well as one at 1409 cm^{-1} . In IV the band (1502 cm^{-1}), which is characteristic of the benzene ring, was found. A number of intense bands was also found in the range 800 - 1100 cm^{-1} : 893 (I), 1007 and 1024 (II), 821 (IV) and 905 cm^{-1} (III). There are 1 figure and 1 Soviet reference.

Card 2/2

7(3), 5(4), 24(7) SOV/48-23-10-12/39

AUTHORS: Borisevich, N. A., Makarevich, N. I., Prima, A. M.,
Bardyshev, I. I., Cherches, Ye. A.

TITLE: Identification of Resin Acids by Means of Their Infrared
Spectra

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1959,
Vol 23, Nr 10, pp 1219-1221 (USSR)

ABSTRACT: Coniferous resins, which essentially contain terpene hydrocarbons and resin acids, have many industrial uses. As the chemical analysis and the separation of the individual acids causes considerable difficulties in a mixture of pure resin acids, the infrared spectroscopic analysis of these substances is of particularly great importance. Hitherto, however, not many resin acids have been investigated in this way. In the present paper the authors give the results obtained by investigating four such resin acids, the structural formulas are mentioned: abietic acid (I), levopimamic acid (II), dextropimamic acid (III), and dehydroabietic acid (IV). Solutions of these acids in CCl_4 as well as pressed samples of acid + potassium bromide were investigated by means of a IKS-11-type

Card 1/2

MAKAREVICH, N.I.

SOV/50-59-1-9/57
Stepanov, B. I. Academician AS
Belorussiia
Soviet Union
Method

Investigations by Belarusian Scientists in the Field of Robotics

Spectroscopy and Laser Spectroscopy
go spektroskopii i lyazernoi spektroskopii

Periodical: Vestnik Akademii Nauk SSSR, 1959, № 1, pp. 65-76 (USSR)

ABSTRACT: These investigations are being carried out at the Institute of Physics and Mathematics of the Minsk State University (Belorussian University) under the direction of V. I. Stepanov, A. N. Serovenko, M. A. Tai-Yashkevich, I. G. Tsvetkov, N. I. Stepanov, A. N. Serovenko, M. A. Tai-Yashkevich, I. G. Tsvetkov, N. I. Stepanov, and P. I. Fedorov. Corresponding members of the Academy of Sciences of the USSR. In the field of theoretical physics, the investigations by P. A. Apakarian, L. S. Grigor'yan, and others are mentioned. Further, the following investigations are indicated:

A. P. Prishivko, B. I. Stepanov developed a theory of dispersion light filters. N. A. Borzilovich, Ya. S. Khvashchevskaya, I. F. Lepisarich

measured by experiment, dispersion light filter for the infrared range.

A. P. Prishchikov analyzed the accuracy and the field of application of existing determination methods of optical constants of dielectric and conductive materials obtained from the results of measurements of the absorption coefficient and the transmittance of samples in spectral ranges corresponding to the maximum intensity of spark discharges (spectral intensity and discharge temperature).

A. A. Vashchenko, F. S. Birsanov examined the mutual influences

G. V. Oreskin suggested a series of methods to eliminate the influences of third elements.

D. V. Orlovich, S. P. Kostyukova succeeded in working out a control method of beam focusing in ordinary pendulum.

Infrared spectra of precious products.
E. A. Barilovich, V. I. Panserich, I. V. Tsvetkovitch examined

N. A. Borisevich worked out a luminescence method for the determination of the germinating power of some kinds

A. Ya. Prokorenchuk obtained good results by the use of luminescent trees.

B. S. Paramonova examined the absorption spectra of the aluminous polyaspartide complexes.

D. A. Karlov used special methods for analysing albuminous fractions in the blood.

I. M. Prud'yanichenko. The effect of the formation of molecular clusters on the absorption spectra of the monomer.

N. A. Sevchenko spectroscopically examined the structure of and complex compounds in solutions.

S. I. Stepanov, A. N. Prin' carried out theoretical investigation of various silicas.

Ions of the vibrational spectra of various silicate crystals

19

5/8

NOVIKOVA, Ye.N.; PLY-SIC EVSITIY, T.I.; AKH. MIG., N.I.

Reaction of antioxidants ... with nitrogen peroxide of α -pinene.
Dokl.AN BSSR 4 no.12:514-517 D 1964. (KTA 1/3)

1. Institut obshchey i neorganicheskoy khimii AN BSSR. Predstavljeno
akademikom AN BSSR N. I. Teren'evu.
(Pinene) (Antioxidants)

POLOSIN, N.V., inzh.; MAKAREVICH, N.A.

Equipment for the underground pressure station of the Ledzhanuri
hydroelectric power station. Gidr.stroi. 31 no.4:8-13 Ap '61.
(MIRA 14:5)

(Ledzhanuri hydroelectric power station)

BORISOVA, V.N.; GIRSHFEL'D, R.V.; ZAKIN, M.M.; KUZ'MINA, P.A.; MAKAROVICH,
M.S.

Use under dispensary conditions of seeding of sputum and tracheal
washings for the detection of Mycobacteria tuberculosis. Probl.
tub. 38 no.2:66-67 '60, (MIRA 13:11)

1. Iz II-go protivotuberkuleznogo dispansera Moskvy (glavnyy
vrach G.V. Kotsubey).
(MYCOBACTERIUM TUBERCULOSIS)

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BA MAKAREVICH, M.I.

Section 19

Effect of diethylamide of dihydroxypicolinic acid on carbohydrate metabolism. I. S. Belonozov and M. I. Makarevich (*Biochimia*, 1949, **14**, 441-443).—Injection of the amide into mice (100 mg./kg.) lowers the alimentary hyperglycemia, increases the duration of insulin hypoglycemia, and lowers the hyperglycemic action of adrenaline. The effect is probably due to stimulation of glycogen synthesis in the liver. D. H. Smyre.

MAKAREVICH, M.G.; LAZNIKOVA, T.N.

Significance of phosphorus in the biosynthesis of chlortetra-cycline. Antibiotiki 4 no.1:46-50 Ja-F '59. (MIRA 12:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov i Moskovskiy khimiko-farmatsevticheskiy zavod imeni L.Ya.Karpova.
(PHOSPHORUS, metabolism,

Streptomyces aureofaciens, requirements in
chlortetracycline (Rus))

(STREPTOMYCES, metab.
aureofaciens, phosphorus requirement during
chlortetracycline synthesis (Rus))

(CHLORTETRACYCLINE, metab.
Streptomyces aureofaciens, phosphorus re-
quirement during synthesis (Rus))

MAKAREVICH, Mariya Florianovna; OKSNER, A.M., doktor biol. nauk,
otv. red.; SKUTS'KA, N.P., red. izd-va; TUBANOVA, N.A.,
tekhn. red.

[Analysis of lichens of the Ukrainian Carpathians] Analiz
lichenoiflory Ukrains'kikh Karpat. Kyiv, Vid-vo AN URSR,
1963. 260 p. (MIRA 16:12)
(Carpathian Mountains--Lichens)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031400008-6

MAKAREVICH, M.F.

Lichen flora of the Byalovezhska Pushcha Preserve. Bot.
mat. Otd. spor. rast. 13:25-29 '60. (MIRA 13:7)
(Byalovezhska Pushcha--Lichens)

MAKAREVICH, M.F.

Al'fred Nikolaevich Oksner; on his 60th birthday. Bot.zhur. 43
(MIRA 11:11)
no.10:1500-1501 0 '58.

1. Institut botaniki AN USSR, Kiyev.
(Oksner, Al'fred Nikolaevich, 1988-)

MAKAREVICH, M.F.

Characteristics of the distribution of lichens in plant communities
of the Soviet Carpathians [with summary in English]. Bot. zhur. 43
no.6:781-787 Je '58. (MIRA 11:?)

1. Institut botaniki Akademii nauk Ukrainskoy SSR, Kiyev.
(Carpathian Mountains--Lichens)

MAKAREVICH, M.F.

Lichens of Chernovtsev Province. Bot. zhur. [Ukr.] 12 no. 2:52-59 '55.
(MLRA 8:10)

1. Institut botaniki Akademii nauk URSR, viddil sporovikh roslin
(Chernovtsev Province--Lichens)

MAKAREVICH, M.F.

Two new lichen species of the genus Lecanora Ach. Bot.zhar.[Ukr.]
11 no.4:59-65 '54. (MLRA 8:7)

1. Institut botaniki AN URSR, viddil sporovikh roslin.
(Ukraine--Lichens)

MAKAREVICH, M.F.

New species of the genus *Acrocordia*. Bot. zhur. [Ukr.] 11 no.2:75-77
154. (MIRA 8:7)

1. Institut botaniki AN URSR, viddil sporovich roslin.
(Chernovtsy Province--Lichens)

DOBROCHAYEVA, D.M.; MAKAROVICH, M.F.

Results of the conference on the problem of "The study of flora and vegetation of the Ukrainian S.S.R. in relation to their utilization and transformation. Bot.shur. [Ukr.] 10 no.4:91-100 '53. (MLRA 6:12)
(Ukraine--Botany, Economic--Congresses) (Congresses--Botany,
Economic--Ukraine)

I
MAKAREVYCH, M.Y.

Crustaceous lichens (Opegrapha) of the Ukrainian S.S.R. Bot. zhur. [Ukr.]
10 no. 3:72-80 '53. (MLRA 6:8)

1. Instytut botaniky Akademiyi nauk Ukrayins'koyi RSR, viddil sporevykh
roslyn. (Ukraine--Lichens) (Lichens--Ukraine)

MAKAREVICH, M.P.

New and interesting lichens of the Ukrainian S.S.R. Bot.zhur.[Ukr.] 9
no.2:44-55 '52. (MLRA 6:11)

1. Institut botaniki Akademii nauk Ukrains'koi RSR, Viddil sporovikh
roslin. (Ukraine--Lichens) (Lichens--Ukraine)

MAKAREVICH, L.M.; SURKOV, V.D.

Electric spark method for inspecting glass bottles. Izv.vys.uchet.
zav.; pishch.tekh. no.1:161-166 '64. (MIRA 17:4)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy
promyshlennosti i Institut avtomatizatsii proizvodstvennykh
protsessov pishchevoy promyshlennosti.

S/118/63/000/003/002/003

Automatic programmed control ...

static memory which combined storage and sending current commands; the device was always ready for operation, and the next signal was blocked when any valve actuating mechanism was in operation. Production tests in the Moskovskiy molochnyy kombinat (Moscow Milk Combine) at Ostankino were successful.

Card 2 of 2

S/118/63/000/003/002/003

AUTHOR: Makarevich, L. M., Engineer and Tul'chinskii, Yu. V., Engineer

TITLE: Automatic programmed control of the processes of filling and emptying tanks

17-

PERIODICAL: Mekhanizatsiya i avtomatzatsiya proizvodstva, no. 3, 1963, 9-11.

TEXT: The authors developed and built a system in the proyektno-konstruktorskiy institut avtomatzatsii pishchevoy promyshlennosti - PKIPishcheprom (Planning and Design Institute for Automating the Food Industry) for automatic programmed control of the technological processes of filling and emptying tanks. The system included a transducer for selecting the program which sent proper commands to the value actuating mechanisms at the proper time and in proper sequence. Levels in tanks were controlled by liquid level sensors. This system was tested on a group of 6 milk storage tanks. The Y17 PT-1 (UPRT-1) device ensured the selection and operation of 720 programs. It operated on 220-volt alternating current in air temperatures of 10-39°C and relative humidity to 98%. Signal lamps indicating full and empty tanks, the relative position of each tank in the program, and inoperative value actuating mechanisms were mounted on the display panel. Blocking circuits prevented filling non-empty tanks. Advantages of this device included a controller in the form of a

Card 1 of 2

MAKAREVICH, L.M.; SURKOV, V.D.

Investigating the possibility of applying the vibration frequency method in the inspection and rejection of damaged glass bottles.
Izv.vys.ucheb.zav.; pishch.tekh. no.1:139-145 '63. (MIRA 16:3)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti, kafedra tekhnologii moloka i molochnykh produktov.
(Bottles--Testing)

MAKAREVICH, L.M., inzh.

Automatic milk reception line. Mekh.i avtom.proizv. 16 no.4:10-11
(MIRA 15:4)
Ap '62.
(Milk plants--Equipment and supplies) (Automatic control)

YEVSTRATOV, V.F.; MAKAREVICH, L.M.; SIMON, I.I.

Semiconductor instrument for checking, signaling, and
automatic regulation of temperature of liquid products.
Priborostroenie no.7:25-26 J1 '60. (MIRA 13:7)
(Thermostat)

PRUDENKOVA, I.M., TIKHONOV, V.V.; MAKAROVICH, I.G.

Geometrical character of binuclear complex compounds of bisubstituted
salicylulimine derivatives. Part 3. Copper (II) and cobalt (II)
bis(salicyluliminoethyl)carboxylates. Zvez. Akad. Nauk. SSSR. J. Russ.
(1963) 1963

I. M. Prudenko, V. V. Tikhonov, I. G. Makarovich
Institute of Heteroorganic Compounds, Academy of Sciences of the
USSR, Kosygin Str. 4, Moscow, USSR
Submitted December 24, 1962.

PAL'GOV, N.N., otv. red.; ZENKOVA, V.A., red.; MAKAREVICH, L.G.,
red.; OSTROVERKHOV, A.P., red.

[Glacial investigations during the IGY period] Gliatsiologicheskie issledovaniia v period MGG. Alma-Ata, Izd-vo AN Kazakh. SSR. No.4.[Trans-Ili and Kirghiz Alatau. Altai] Zailiskii i kirgizskii Alatau. Altai. 1964. 166 p.

(MLRA 17:9)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Sektor fizicheskoy geografii.

SHKOL'NIKOVA, L.M.; SHUGAM, Ye.A.; MAKAREVICH, I.G.

Structural parameters of chelate compounds of N-substituted salicylal imine. Part 1: Salicylal ethylene diimines. Rare case of the nonisostucturality of nickel and palladium chelates. Zhur.strukt.khim. 4 no.6:927-928 N.D. '63. (MIRA 17:4)

1. Institut khimicheskikh reaktivov i osobo chistiykh veshchestv.

MAKAREVICH, L.F.; ZHUK, V.L.; BALYURA, V.I.; MEKHEDA, V.P.; YAKOVENKO, A.G.

Work of separation plants. Sakh.prom. no.4:17-20 Ap '60.
(MIRA 13:8)
1. Chernovitskiy sakhsveklotrest (for Makarevich, Zhuk, Balyura).
2. Stanislavskiy sovnarkhoz (for Mekheda). 3. Bovshevskiy
sakharneyy zavod (for Yakovenko).
(Sugar industry)

GAL'PERIN, G.M.; MAKAREVICH, L.A.

Determination of phenyl benzoate by spectrophotometry.
Inv. lab. 31 no. 434-415 '65.

1. Opytno-konstruktorskoye byuro sinteticheskikh priyivok.

YEFREMOVA, G.D.; MAKAREVICH, L.A.; SOKOLOVA, Ye.S.

Phase equilibria in the acetic acid - nitrogen system. Khim.prom.
no.8:563-564 Ag '61. (MIRA 14:8)
(Nitrogen) (Phase rule and equilibrium)

MAKAREVICH, L.A.

New silk combine in Bendery. Tekst.prom. 16 no.2/70 F '56.
(MLRA 9:5)

1. Direktor Benderskogo shelkovogo kombinata.
(Bendery--Silk manufacture)

PAL'GOV, N.N., otv. red.; VILESOV, Ye.N., red.; ZENKOVA, V.A.,
red.; MAKAREVICH, K.G., red.; CHERKASOV, P.A., red.;
PAL'GOVA, Z.N., red.

[Glaciological research in Kazakhstan] Gliatsiologicheskie
issledovaniia v Kazakhstane. Alma-Ata, Nauka.
No.5. 1965. 189 p. (NIRA 19:1)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata, Sektor fizicheskoy geografii.

PAL'GOV, N.N., otv. red.; ZENKOVA, V.A., red.; MAKAREVICH,
K.G., red.; CHERKASOV, P.A., red.; OSTROVERKHOV, A.P.,
red.; KHUDYAKOV, A.G., tekhn.red.

[Glaciological research during the IGY] Gliatsiologicheskie
issledovaniia v period MGG. Alma-Ata, Izd-vo AN
Kazakhskoi SSR. No.3. [Trans-Ili and Dzungarian Alatau]
Zailiiskii i Dzhungarskii Alatau. 1963. 228 p.
(MIRA 17:2)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Otdel geografii.

PAL'GOV, N.N., ottv. red.; ZENKOVA, V.A., red.; MAKAREVICH, K.G., red.;
CHERKASOV, P.A., red.; KOVALEVA, I.F., red.; KHUDYAKOV, A.G.,
tekhn. red.

[Glaciological research during the IGY] Gliatsiologicheskie is-
sledovaniia v period MGG. Alma-Ata, Izd-vo Akad. nauk Kazakh-
skoi SSR. No.2. [Trans-Ili and Dzungarian Ala-Tau] Zailiiskii i
Dzhungarskii Alatau. 1962. 208 p. (MIRA 15:9)

1. Akademiya nauk Kazakhskoy SSR, Alma-Ata. Otdel. geografii.
(Kazakhstan—Glaciological research)

(II)

CHIZHOV, Oleg P., and KORYAKIN, V. S., Institute of Geography, Academy of Sciences USSR, Moscow [1961] - "Recent changes in the regime of Novaya Zemlya glaciation"

DOMOSHNIKOV, Leonid D., ETREZEV, Svyatoslav A., and KOTOVSKY, V. M., Institute of Geography, Academy of Sciences USSR, Moscow [1961] - "Current changes in the Antarctic ice sheet"

GROSVARD, K. G., and KOVACHEV, Anna M., Institute of Geography, Academy of Sciences USSR, Moscow [1961] - "Recent changes and the mass-balance of the glaciers on Franz Joseph Land"

KOVALEV, Pavel V., Khar'kov State University imeni A. M. Gor'kogo [1960] - "The fluctuations of glaciers in the Caucasus"

MAKAROVICH, K. G., Geography Section, Academy of Sciences Kazakh SSR [1960] - "The regime of glaciers in the Zailiysky Alatau in recent decades"

PAL'COV, Nikolay N., Head, Geography Section, Academy of Sciences Kazakh SSR, Alma-Ata [1961] - "The relation between glacier retreat and the position of the firn line with special reference to the Zentralny Tuyuksu Glaciers"

TENOV, Mikhail V., Professor, Tomsk State University imeni V. V. Kuybyshev [1960] - "On the role of summer snowfalls in the fluctuation of glaciers"

report to be submitted for the Symposium on the Variations of the Regime of Existing Glaciers, IASH (IUGG), Obergurgl, Austria, 10-18 Sep 1962.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031400008-6

MAKAREVICH, K.G., kand.geograficheskikh nauk

Solution of basic glaciological problems for the Trans-Ili
Ala-Tau. Vest. AN Kazakh. SSR 17 no.10:84-92 O '61. (MIRA 14:10)
(Trans-Ili Ala Tau--Glaciological research)

MAKAREVICH, K.G., kand.geograficheskikh nauk; CHERKASOV, P.A., kand.
geograficheskikh nauk

Discussion on problems in glaciology. Vest.AN Kazakh.SSR 17
no.6:99-100 Je '61. (MIRA 14:6)
(Glaciology--Congresses)

MAKAREVICH, K.G., kand.geogr.nauk

Symposium of glaciologists in Chamonix, France. Vest.AN Kazakh.
SSR 15 no.1:102-105 Ja '59. (MIHA 12:1)
(Chamonix, France--Glaciers--Congresses)

MAKAREVICH, K.G.

Basic characteristics of present-day glaciation of the Lepsa River
basin in the Dzungarian Ala-Tau. Trudy Sekt.geog.AN Kazakh.SSR
no.3:176-194 '59. (MIRA 12:7)
(Lepsa Valley--Glaciation)

MAKAREVICH, K.G., kand.geogr.nauk

Hydrological aspect of Lepsa glaciers in the Dzungarian Ala-Tau.
Vest. AN Kazakh. SSR 14 no.9:48-60 S '58. (MIRA 11:11)
(Lepsa Valley--Glaciers)

MAKAREVICH, K.G., kand. geogr. nauk.

Study of Trans-Ili Ala-Tau glaciers in accordance with the
International Geophysical Year program. Vest, AN Kazakh. SSSR 1/
no.4:94-96 Ap '58. (MIRA 11:6)
(Trans-Ili Ala-Tau--Glaciers)

MAKAREVICH, K.G.

Modern glaciation of the Lepsa Basin in the Dzungarian Ala-Tau.
Vop. geog. Kaz. no. 2: 65-100 '57. (MIRA 10:7)
(Lepsa Valley--Glaciers)

MAKAREVICH, K.G.; ZENKOVA, V.A.

New data on the dynamics of glaciers in the Dzungarian Ala-Tau.
Vest. AN Kazakh. SSR 12 no. 7:45-59 Jl '56. (MIRA 9:9)

1. Predstavlena akademikem AN KazSSR N.N.Pal'govym.
(Dzungarian Ala Tau--Glaciers)

MAKAREVICH, K.G.

Glaciers of the Kok-Bulak Valley in the upper reaches of the Issyk River. Izv.AN Kazakh.SSR,Ser.geol. no.16:113-117 '53. (MLRA 9:5)
(Kok-Bulak Valley--Glaciers)

MAKAREVICH, K. D.

Tuberculosis

Differential diagnosis of large and giant caverns, Vest.rent. i rad. no. 1, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031400008-6

ACQUISITION, ANALYSIS, AND REPORTING, INC., CHICAGO, ILLINOIS,
FEBRUARY, 1968.

Authorization of the following acquisition and reporting firm
for the conduct of the following acquisition and reporting work:
Narcotics.

LIPETS, A.U.; LAKHMANOS, A.I.; YAKHILEVICH, F.M.; VIKHOREV, N.P.;
MAKAREVICH, I.Z., inzh.; NEYMAN, A.D., inzh.; PERSHIN, V.I., inzh.

Experience in redesigning the steam superheating control system
of operational high-pressure boilers produced by the Ordzhonikidze
Plant. Elek.sta. 32 no.6:72-78 Je '61. (MIRA 14:8)
(Boilers)

KHAKHAREVA, T.P.; MINEYEV, A.M.; MAKAREVICH, I.K.; NESMELOVA, Z.P.

Infection from *Salmonella oranienburg* in one of the districts
of Gorkiy. Zhur. mikrobiol., epid. i immun. 40 no.6:129-130
Je '63. (MIRA 17:6)

1. Iz Gor'kovskogo instituta epidemiologii i mikrobiologii,
Gorod sanitarno-epidemiologicheskoy stantsii bol'nitsy No.23.

MAKIREVICH, I.P.; KOLESNIKOV, D.G.

Saponinolides of *Erysimum cheiranthoides* L. seeds. Krim. prirod.
sped. no.5: 361-364. 1965. (NIR 18:12)

I. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevicheskii
institut. Submitted June 16, 1965.

MAKAREVICH, I. F.; TROPP, M. Ya.; KOLESNIKOV, D. G.

Erycordin and deglucocerycordin, new cardiotropins. Dokl.
AN SSSR 147 no. 4:849-852 D '62. (MIRA 16:1)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsev-
ticheskiy institut. Predstavлено академиком А. И. Опарином.

(Glycosides)

MAKAREVICH, I.F.; TROPP, M.Ya.; KOLESNIKOV, D.G.

Chemical study of a new cardiac glycoside from wormseed mustard.
Dokl. AN SSSR 136 no. 3:617-620 Ja '61. (MIRA 14:2)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut. Predstavлено академиком А.И. Опариным.
(CARDIAC GLYCOSIDES) (WORMSEED MUSTARD)

MAKAREVICH, I.F.; TRQFF, M.Ya.; KOLESNIKOV, D.G.

Erythriside, a new cardiac glycoside from Erysimum cheiranthoides L.
Med. prom. 15 no. 7:38-43 Jl '61. (MIRA 15:6)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut.
(CARDIAC GLYCOSIDES)

SVIRIDOV, V.V.; MAKAREVICH, I.A.

Kinetics of the thermal decomposition of silver oxalate in an
atmosphere of different gases. Dokl. AN BSSR 3 no.5:208-210 My
'59. (MIRA 12:10)

1. Predstavлено академиком АН БССР Н.Ф. Ермоленко.
(Silver oxalates) (Gases)

ACC NR: AP7004637

place a copper or teflon meshed section with 70% transparency in the same manner, and
3) place a pulse accumulator next to the discharge chamber. This accumulator, en-
closing air at $P = 1$ atm by a rubber membrane from one side and by a polyamide film
on the other, let the air flow into the discharge chamber when the membrane broke at
the initial stage of the discharge. Orig. art. has: 1 table and 4 figures.

SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 001

Card 2/2

ACC NR: AP7004637

SOURCE CODE: UR/0288/66/000/003/0086/0090

AUTHOR: Makarevich, G. A.; Shimarev, S. K.

ORG: none

TITLE: Formation of stream in an electromagnetic shock tube

SOURCE: AN SSSR. Sibirskoye otdeleniye. Izvestiya. Seriya tekhnicheskikh nauk, no. 3, 1966, 86-90

TOPIC TAGS: shock wave structure, plasma shock wave, shock tube, discharge chamber, plasma electromagnetics, gas discharge

ABSTRACT: Experiments with electromagnetic shock tubes are described whose aim was to form slow ($T_{discharge} \approx 10^{-4}$ sec) gas discharge and increase the region of discharge ("working plug region") characterized by homogeneous thermically ionized plasma. The three types of discharge chambers were 3m long and 80mm in diameter made of vitreous transparent plastic and vacuum chambers containing physical or aerodynamic models. All chambers had an efficiency of 50--60%. The working gas was air and the discharge was initiated from a 1200μfd capacitor bank charged to 5kV. It was established that the "plug" practically could not be observed when initial gas pressure was $P_0 < 1\text{ mm Hg}$. Its dimensions, however, increased to 10cm at $P_0 = 5\text{ mm Hg}$. To further increase its size the authors attempted to 1) place a metallic section 1m long next to the discharge chamber leaving the rest to be plastic as previously, 2)

Card 1/2

UDC: 533.951+533.6.011.72+533.6.071.8

L 22334-66
ACC NR: AP6013206

lishment of the flow near the stagnation point of spheres and cylinders in flows behind strong shock waves; 2) the experimental values of velocity and pressure behind reflected shock waves from the end plate of a shock tube are in satisfactory agreement with theoretical computations, taking account of dissociation and ionization; 3) the values of the relative, steady shock-wave detachment from the stagnation point of spheres and cylinders with flat bluntness in axial flows agree well with theoretical data obtained by others. Orig. art. has: 9 figures. [AB]

SUB CODE: 20/ SUBM DATE: 23Apr65/ ORIG REF: 006/ OTH REF: 002/ ATD PRESS:

4292

Cord 2/2ddo

L 22334-66 EWT(1)/EWP(m)/EWA(d)/EWA(h)/EWA(l) WW

ACC NR: AP6013206

SOURCE CODE: UR/0421/66/000/002/0108/0114

54
B

AUTHOR: Bogoslovskiy, K. Ye. (Moscow); Kireyeva, N. I. (Moscow); Makarevich, G. A. (Moscow); Tsvetayev, Yu. A. (Moscow); Shimarev, S. K. (Moscow); Tarantov, Ye. A. (Moscow)

ORG: none

TITLE: Investigation of unsteady flows past models in an electromagnetic shock tube

SOURCE: AN SSSR. Izvestiya. Mekhanika zhidkosti i gaza, no. 2, 1966, 108-114

TOPIC TAGS: experiment aerodynamics, electromagnetic shock tube, strong shock wave, detached shock wave, shock wave reflection, supersonic flow

ABSTRACT: An experimental investigation of unsteady flows moving behind strong shock waves produced by electric discharges past models of various shape was carried out in an electromagnetic shock tube. The purpose of this study was to determine the time of flow transition from an unsteady to a steady state in the stagnation-point region and to check the theoretical data on flow parameters behind strong shock waves. The electromagnetic shock tube, experimental set-up, instrumentation, and test procedure are described. The results obtained in an electric discharge shock tube with wave velocity of the order of 8000 m/sec show that: 1) the obtained dependence of the nondimensional value of the relative shock wave detachment on bluntness as a function of nondimensional time makes it possible to determine the time of the estab-

Card 1/2

2

MAKAREVICH, D.N., inzh.

Experimental and analytical investigation of rotary-percussion
drilling of blast holes with air drills. Izv. vys. ucheb. zav.;
gor. zhur. 7 no.10:68-74 '64. (MIRA 18:1)

1. Moskovskiy institut radioelektroniki i gornoj elektromekhaniki.
Rekomendovana kafedroy fuovzryvnykh rabot.

MAKAREVICH, D.N., gornyy inzh.

Drilling boreholes with a compressed-air drill at high axial pressure on the face. Ugol' 38 no. 8:47-49 Ag '63.

(MIRA 17:11)

MAKAREVICH, D.N., gorn. inzh.

Investigation of rotary-percussion drilling of boreholes
with compressed-air drills. Nauch. trudy Mosk. inst. radio-
elek. i gor. elektromekh no.47:36-48 '63. (MIRA 17:6)

SUKHANOV, A.F., prof.; NAZAROV, P.P., dotsent; KUTUZOV, B.N., kand.
tekhn. nauk; MAKAREVICH, D.N., gorn. inzh.;
TOKAR', M.G., gorn. inzh.

Investigation of combination drilling of boreholes in strip
mines. Nauch. trudy Mosk. inst. radioelek. i gor. elektro-
mekh. no.47:20-35 '63. (MIRA 17:6)

SUKHANOV, A.F., doktor tekhn.nauk; NAZAROV, P.P., kand.tekhn.nauk; KUTUZOV,
B.N., kand.tekhn.nauk; BOBKOVICH, A.A., inzh.; MAKAROVICH, D.N.,
inzh.; TOKAR', M.G., inzh.

New ways of drilling holes in mines of the asbestos industry.
Shakht. stroi. / no.4:13-15 Ap '63. (MIRA 16:3)

1. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki.

KUTUZOV, B.N., kand.tekhn.nauk; KASATOCHKIN, A.V., inzh.; MAKAROVICH, D.N.,
inzh.; TOKAR', N.G., inzh.

Dust collection during boring with the cleaning of bore holes
with compressed air. Bezop.truda v prom. 5 no.11:23-24 N '61.
(VTRA 14:11)

1. Kafedra bur.vzryvnykh rebot Moskovskogo gornogo instituta.
(Mine dust--Safety measures)

APPROVED FOR RELEASE 06/23/11 CIA-RDP86-00513R001031400008-6

MAKAREVICH, D.N.

Multistage air hammer. Biul. TSIICHM no.2:44 '61. (MIRB 14:9)
(Pneumatic tools--Patents)

MAKAREVICH, B.M.

25(1.6) PHASE I BOOK EXPLOITATION 507/1592

Akademy Nauk SSSR. Institut mashinovedeniya

Osnovnye voprosy tekhnicheskogo i tekhnicheskikh izmerenii v mashinostroyenii (Basic Problems of Accuracy and Engineering Measurements in Machine Building)

Moscow, Masgiz, 1950. 411 p.

Ed.: A.J. Gavrilov, Doctor of Technical Sciences, Professor,

Tech. Ed.: B.I. Novikov, Candidate of Technical Sciences, Professor, Ed. for Scientific Literature on Metal

Working and Tool Making (Fizquid), K.D. Bayzhanov, Engineer.

PURPOSE. This collection of articles presents the works of a con-

ference on basic problems of accuracy and interchangeability and engineering measurements convened in March 1956 by the Machine

Building Technology Commission of JIIMh AM SSSR (Institute of Machine Construction of the Academy of Sciences of USSR), the State Committee for Modern Technology, the Committee for Standardization and Measuring Instruments under the Council of Ministers USSR, the Ministry for Machine Building and the Ministry of Higher Education of the USSR. In the articles

dealing with accuracy of fabrication, problems of the theory and practice of calculating accuracy of standard processes and standard products are discussed. In the articles on interchangeability and engineering measurements an evaluation of the present state of this field is presented along with the scientific and engineering outlook for the future. Theoretical and practical problems of automatic inspection are discussed. No personalities are mentioned. There are 140 references of which 121 are Russian, 10 German, 8 English, 1 French.

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Basic Problems of Accuracy (Cont.)	507/1592
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Card 7/8

S/122/62/000/004/005/006
D221/D302

A device for automatic measurement ...

put of the transducer forms a sine wave counted by an electronic device. The linear expression of the pulse is $A = d/mz$, where d is the diameter of the burnishing roller in mm, m is the r.p.m. of the workpiece and z is the number of pulses per one revolution of the roller. The experiments at various speeds of turning indicate that stable results are ensured with a pressure of 70 - 80 kg. The effect of surface finish on the accuracy of measurements is shown by deviations $\leq 0.03 - 0.04$ mm. Random errors follow the Gaussian distribution. The transducer is connected to a bridge. The electronic circuit is described and illustrated, together with the transducer. The authors analyze the various errors which arise in the arrangement and indicate the total error without considering inaccuracies due to temperature. The device allows a 60 - 80 % reduction of the auxiliary time to be achieved. Use of the indicated pressure of the roller against the workpiece demonstrates a negligibly small slip, and thus has no effect on the readings. There are 8 figures and 4 Soviet-bloc references.

Card 2/2